

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 0005-GL-PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/ 18163	International filing date (day/month/year) 29/06/2000	(Earliest) Priority Date (day/month/year) 02/07/1999
Applicant MICROCOATING TECHNOLOGIES, INC. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

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International application No.
PCT/US 00/18163

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: 41, 42
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1 - 42, 47

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box 1.2

Claims Nos.: 41,42

Product claims 41 and 42 do not contain any structural features which would define the claimed product. In fact said claims only relate to a way of using a deposition method for obtaining said products, rather than clearly defining them in terms of their structural features. The intended limitations are therefore not clear from these claims, which renders a search meaningless.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-42,47

A method for depositing a coating on a substrate, comprising the steps of

-providing at least one heat source for depositing said coating on said substrate and for heating a section of said substrate

-moving said substrate or said at least one heat source relative to each other such that said substrate is not damaged by said heat source

2. Claims: 43-46

Method for coating a substrate with a thin, multi-layer or thick film having specific properties by maintaining the temperature of the substrate such that the resulting coating has the specific properties throughout the entire thickness of the coating.

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C23C16/453 C23C16/513 C23C16/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 709 487 A (AT & T CORP) 1 May 1996 (1996-05-01) page 3, line 11-29 page 4, line 34-57 page 5, line 8-14 page 6; table 1 ---	1-3,5,6, 9,10, 17-23, 30,31,47
X	WO 99 29917 A (CHANG ISAAC TSZ HONG ;CHOY KWANG LEONG (GB); IMPERIAL COLLEGE (GB)) 17 June 1999 (1999-06-17) page 2, line 2-7 page 3, line 17-32 page 4, line 25-29 --- -/--	1,10,14, 17-19, 23,25, 28,30

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

20 October 2000

Date of mailing of the international search report

23 OCT 2001

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/18163

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 491 521 A (FUJITSU LTD) 24 June 1992 (1992-06-24) page 3, line 7-25 page 6, line 8,9 page 4, line 30-32 ---	1,3,11, 17-19, 28,30, 31,47
X,P	EP 0 976 847 A (MICROCOATING TECHNOLOGIES INC) 2 February 2000 (2000-02-02) column 5, line 1-9 column 14, line 23-38 column 15, line 1-11 column 10, line 24-28 column 11, line 23-48 -----	1-10,13, 17-19, 23-29,47

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/18163

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0709487 A	01-05-1996	US 5622750 A	22-04-1997
		DE 69508033 D	08-04-1999
		DE 69508033 T	05-08-1999
		JP 8225957 A	03-09-1996

WO 9929917 A	17-06-1999	AU 1442199 A	28-06-1999
		EP 1042531 A	11-10-2000

EP 0491521 A	24-06-1992	JP 2579071 B	05-02-1997
		JP 4292497 A	16-10-1992
		JP 2545498 B	16-10-1996
		JP 4219337 A	10-08-1992
		DE 69125118 D	17-04-1997
		DE 69125118 T	19-06-1997
		US 5217700 A	08-06-1993
		US 5338364 A	16-08-1994

EP 0976847 A	02-02-2000	BR 9901287 A	21-03-2000
		CN 1235207 A	17-11-1999
		JP 11335844 A	07-12-1999
		SG 71203 A	21-03-2000
